



IW Six

Ceiling/In-Wall Loudspeakers

Congratulations on your new purchase, and welcome to the AudioSource family of satisfied customers. We trust that you will enjoy the value and quality of your AudioSource IW Six loudspeakers. To make sure that you experience the best performance out of your speakers, please take a few moments to read this manual before you get started. Also, be sure to retain this manual should you need to refer to it in the future.

A Few Words about In-Wall Loudspeakers

The AudioSource IW Six loudspeaker is designed to accurately reproduce high fidelity music, including today's demanding digital signals. In-wall speakers are designed so that the wall or ceiling itself, and the space behind it, actually becomes the speaker cabinet. Mounted flush to the wall, the speakers require absolutely no floor space. The frames and grilles may be painted to blend with the decor. The discreet compact format makes the IW Six ideal in many applications for which traditional speakers would be impractical or impossible. The IW Six speakers may be used independently where space is a consideration, or to bring music to additional rooms of the house. They are especially suited to enhance and enrich home theater systems.

Speaker Placement

Once installed, in-wall speakers are not easily moved or repositioned. Take a little time to carefully consider the best speaker locations before you begin. Because each room is unique, decide what works best for you. Unlike traditional speakers, in-wall speakers mount flush and cannot be angled or aimed into the listening area from the corners of the room. As a general rule, when mounted in a vertical wall, the speakers should be close to ear level, and at least one-third of the distance from the corner to the center of the room. When mounting the speakers into the ceiling, keep in mind the position of the listeners, and place the speakers appropriately for maximum coverage. The tweeter is center-mounted, assuring clean crisp mid and high response.

A mounting depth of three inches, measured from the face of the wall, is required. For the mounting hardware to work properly, also allow at least one-and-a-half inches of clearance between the cut-out and any studs or joists. The speaker location and associated mounting hardware should not conflict with any existing wires or pipes.

Hooking It All Up

The speaker terminals on the IW Six will accommodate up to 16-gauge wire, which should be used for longer connections. For shorter distances, 18-gauge speaker wire will be adequate. Leave about two feet of extra wire at the speaker end to make it easier to install and position the IW Six. Do not use staples, nails, or other metal objects to secure the speaker wire. The resulting short-circuit could affect your system's performance and damage components in your system, especially the amplifier. You will get the best sound quality and least amount of *hum* by keeping the speaker wires away from other electrical wires and cables.

When connecting your IW Six loudspeakers, it is very important to retain the correct polarity. This means that the wire attached to the +, *red, positive, or hot* terminal on one component must be attached to the +, *red, positive, or hot* terminal on the other component. Similarly, the -, *black, negative or ground* terminals must connect to the respective -, *black, negative or ground* terminals. This is easy to do by observing the color, stripe, or ribbing that appears on the wire. The amplifier terminals will also be marked *left or right*, and should be connected accordingly.

Speaker Mounting

The IW Six loudspeakers are designed to be mounted directly into the ceiling or wall. Yes, you will be cutting a hole in the ceiling or wall. With the right tools and a little extra care, installing the IW Six can be both quick and easy. Use the enclosed template to accurately cut the mounting hole in the ceiling or wall. Position the paper template where you have chosen to mount the speakers, and trace along the edge of the circle. Make your cuts along this line. A utility knife will make the cleanest cuts in drywall. A keyhole saw or electric jigsaw may also be used. Keep the cuts neat, although the frame will overlap the hole to hide any rough edges. At this point, with the wall open, run the speaker wires into position, leaving about two feet of extra wire at the opening. Observing proper polarity, connect the speaker wire to the terminals on the IW Six. Remove the grille on the speaker, so you can reach the *quick-turn* mounting screws. Insert the speaker into the mounting hole. Use a phillips head screwdriver to turn the screw slowly clockwise. The *quick-turn* mounting system and frame will clamp around the wall to hold the speaker in place. Do not overtighten. If you are unsure, consult a professional contractor. If you plan to paint the grille, do so before attaching them to the speakers. The grille is held in place by a friction fit.

Enjoy your purchase. This manual provides detailed diagrams and instructions for setting up your equipment. Our commitment to your satisfaction doesn't end there. We also offer friendly, toll-free assistance.

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IW Six Specifications

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| Frequency Response | 70 Hz to 20 kHz |
| Power Capacity | 75 watts |
| Impedance | 8 ohms |
| Sensitivity | 90 dB |
| Woofer | 6.5" polypropylene/graphite |
| Tweeter | 5/8" polycarbonate dome |
| Dimensions | 9" diameter x 3" depth |
| Weight: | 9 lbs. |

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